

To: Chris P. Thompson[Chris.P.Thompson@tn.gov]; Colby Morgan[Colby.Morgan@tn.gov]
From: Amoroso, Cathy[/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C5033745779E4121B626D62341A9B89C-AMOROSO, CATHY]
Sent: Mon 5/3/2021 9:26:31 PM (UTC)
Subject: FW: Upcoming Meetings for Randall (ORR talking points for State Commissioner's meeting - May 5 & 6)

From: Adams, Glenn <Adams.Glenn@epa.gov>
Sent: Monday, May 3, 2021 5:24 PM
To: Chaffins, Randall <Chaffins.Randall@epa.gov>; Horsey, Maurice <Horsey.Maurice@epa.gov>
Cc: Amoroso, Cathy <Amoroso.Cathy@epa.gov>; Torres, Rhashana <Torres.Rhashana@epa.gov>; Dorsey, Claudette <Dorsey.Claudette@epa.gov>; Guillard, Jennifer <Guillard.Jennifer@epa.gov>
Subject: FW: Upcoming Meetings for Randall (ORR talking points for State Commissioner's meeting - May 5 & 6)

Randall,
Below are the bullets with information about Oak Ridge for your meeting. Please let Cathy or I know if you have any questions or want information on anything else.
Thanks,
Glenn

- EMDF:** DOE is planning to submit the D1 ROD for the proposed on-site disposal facility – EMDF – in June/July 2021.
- The ROD for the \$537M landfill will require the Administrator’s signature. Administrator’s briefing is tentatively scheduled for fall/winter 2021.
 - Several technical issues to be resolved prior to finalizing the ROD
 - Effluent discharge limits for radionuclides to be discharged to Bear Creek are being developed by the project team, per the Administrator’s 12/31/20 dispute decision.
 - Additional public information will be provided to address new information since the 2017 Proposed Plan. DOE does not plan on re-issuing the Proposed Plan or holding formal public comment period.
 - Post ROD study will be used to address outstanding hydrogeology questions and updates to the preliminary design models.
 - TDEC has proposed a solution for mercury management to address the state’s anti-degradation requirements. DOE is working on a plan to implement the TDEC proposal. Good progress is being made. EPA has not provided an official position yet.
 - EPA has asked DOE, informally, for additional information about how climate change and environmental justice concerns were factored into selection and design of the remedy.
 - Waste Acceptance Criteria: TDEC is taking the lead on the Waste Acceptance Criteria (WAC); this is an area of public interest. The WAC has not been submitted to EPA and TDEC yet.

- Legacy Mercury Management:**
- A mercury treatment facility is being built at Y-12. Mercury is expected to be encountered during upcoming remedial and removal actions at Y-12. Elemental mercury and RCRA hazardous waste will be shipped off-site for disposition. Mercury contaminated media will go to the EMDF.
 - Mercury is one of the highest priorities for the public. Large amounts of mercury are present in multiple media at ORR, in particular at Y-12.

- Groundwater cleanup after demolition and soil cleanup:**
- A great deal of progress has been made at ETPP to demolish old facilities, clean up soil, and transfer property for future use as an industrial park. 3,000+ acres of land has been transfer for conservation area, historic site and industrial park.
 - A small number of soil remedies (excavations) will be completed in the next 2 years.
 - Groundwater and surface water (ponds, creeks) at the ETPP have not been addressed.
 - Approximately 20 contaminated groundwater plumes are present over several hundred acres. Some groundwater plumes are characterized and ready for remedial action, while others require additional characterization. The project team is contemplating an interim remedy to address some of the better characterized plumes and to start source control measures at other plumes.

- Groundwater restoration at ETPP will be a long term effort. DOE has not prioritized groundwater restoration, and prefers no action remedies (MNA) for groundwater, even though there is no evidence that MNA would achieve groundwater protection standards in a reasonable timeframe. This is an area of potential future conflict.

TDEC:

- EPA appreciates TDEC's leadership on mercury related to the EMDF, the EMDF WAC, and the EMDF modeling. Their staff have worked hard with the lead on the WAC, mercury, and modeling for the landfill. EPA and TDEC are partnering well and are in agreement about the steps moving forward at ORR.